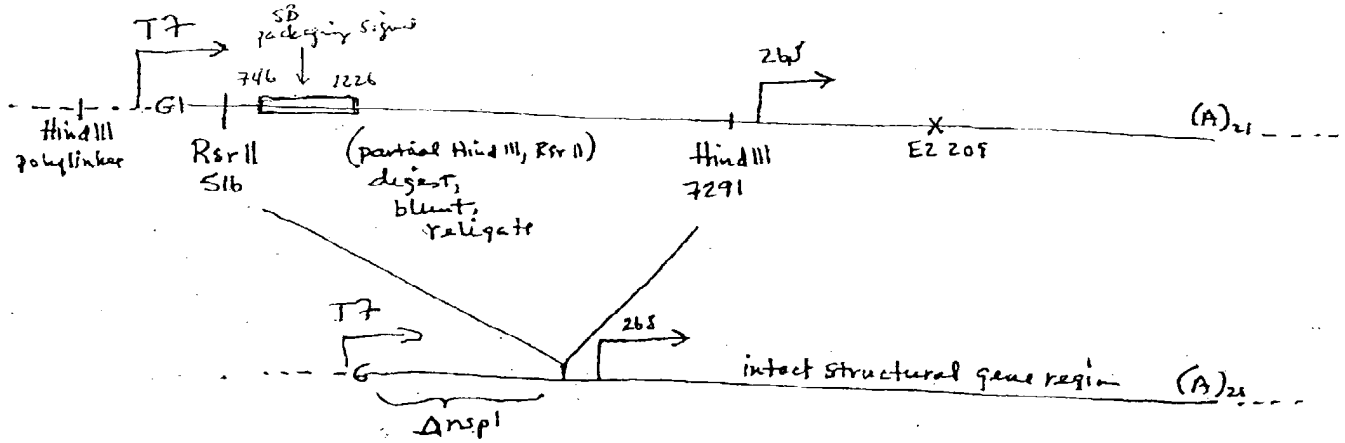
May 29, 1992

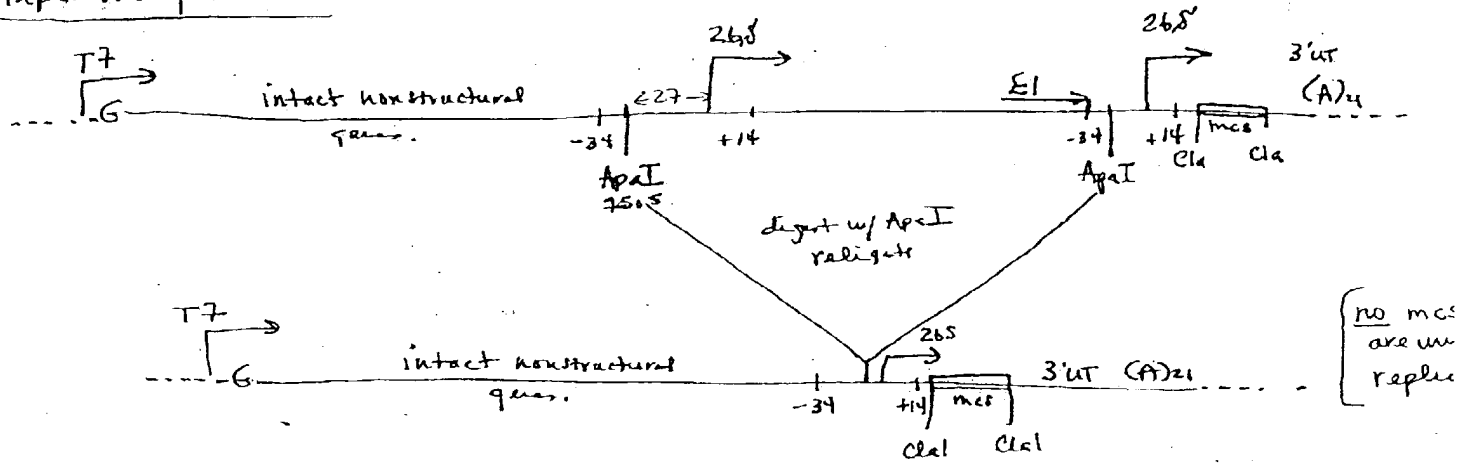
Jon,

Here's some ideas...

Helper plasmid



Replicon plasmid



Helper plasmid could be made in a couple of steps from pV3014, which carries the attenuating mutation at E2 209. The scheme shown above would presumably delete the packaging signal, although that hasn't been mapped for VEE.

This scheme for making the replicon takes advantage of the second promoter and multiple cloning site inserted into our VEE vector construct. The unique ApaI site gives a convenient way to delete the structural genes and set up a cloning vector to express heterologous genes. I'll go ahead and make the replicon with our constructs and send it up to you.

What a team...

James